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Şul	bstitute for form 1449/PTO)		Complete if Known		
				Application Number	10/614,333-Conf. #5952	
11	NFORMATIO	N DI	SCLOSURE	Filing Date	July 3, 2003	
S	TATEMENT	BY A	APPLICANT	First Named Inventor	R. Rogers YOCUM	
				Art Unit	1652	
	(Use as many sheets as necessary)			Examiner Name	C. L. Fronda	
Sheet	1	of	2	Attorney Docket Number	BGI-154B	

U.S. PATENT DOCUMENTS								
Examiner		Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
Initials*	Initials*		Number-Kind Code ² (If known) MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
U		A1*	US-5,518,906	05-21-1996	Hikichi et al.			
\mathbf{L} . \mathbf{I}		A2*	US-5,529,908	06-25-1996	Palva et al.			
		A3*	US-5,932,457	08-03-1999	Moriya et al.			
		A4*	US-6,171,845-B1	01-09-2001	Elischweski et al.			
		A5*	US-6,177,264	01-23-2001	Eggeling et al.			
		A6*	US-6,184,006-B1	02-06-2001	Rieping et al.			
		A7*	US-6,184,007-B1	02-06-2001	Dusch et al.			
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		A9*	US-6,787,334-B1	09-07-2004	Elischweski, Frank et al.			

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			Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Examiner Initials*		Cite No. ¹	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document		τ°
	J.F.	B1	EP-0493060-A2	07-01-1992	Takeda Chemical Industries, Ltd.		
		B2	EP-0590857-B1	04-06-1994	BASF Aktiengesellschaft		
		B3	WO-97/10340-A1		Takeda Chemical Industries, Ltd.		
		B4	WO-98/18954-A1	05-07-1998	Monsanto Company		
		B5	EP-1006189-A2	06-07-2000	Degussa-Hüls Aktiengesellschaft et al.		Abstr.
		B6	WO-01/83799-A1	11-08-2001	Degussa AG		
		B7	EP-1001027-B1	05-06-2004	Degussa AG		Abstr.

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NON PATENT LITERATURE DOCUMENTS							
Examine Initials	Mo.1 magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) and/or country where published.		T ²				
C.	.F.C1	Baigori, Mario et al., "Isolation and Characterization of <i>Bacillus subtilis</i> Mutants Blocked in the Synthesis of Pantothenic Acid," <i>Journal of Bacteriology</i> , Vol. 173(13):4240-4242 (1991)					
	C2	Downs, Diana M., "Evidence for a New, Oxygen-Regulated Biosynthetic Pathway for the Pyrimidine Moiety of Thiamine in Salmonella typhimurium," Journal of Bacteriology, Vol. 174(5):1515-1521 (1992)	\				
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		Complete if Known		
		Application Number	10/614,333-Conf. #5952	
I DISCL	OSURE	Filing Date	July 3, 2003	
BY APP	LICANT	First Named Inventor	R. Rogers YOCUM	
		Art Unit	1652	
(Use as many sheets as necessary)			C. L. Fronda	
of	2 .	Attorney Docket Number	BGI-154B	
	BY APP		Application Number Filing Date First Named Inventor Art Unit Examiner Name	

(C.F.	C4	Elischewski, Frank et al., "Pantothenate production in <i>Escherichia coli</i> K12 by enhanced expression of the <i>panE</i> gene encoding ketopantoate reductase," <i>Journal of Biotechnology</i> , Vol. 75:135-146 (1999)	
		C5	Frodyma, Michael E. et al., "ApbA, the Ketopantoate Reductase Enzyme of Salmonella typhimurium Is Required for the Synthesis of Thiamine via the Alternative Pyrimidine Biosynthetic Pathway," The Journal of Biological Chemistry, Vol. 273(10):5572-5576 (1998)	
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		C7	Merkel, William K. et al., "Characterization and sequence of the Escherichia coli panBCD gene cluster," FEMS Microbiology Letters, Vol. 143(2-3):247-252 (1996)	
1		C8	Primerano, Donald A. et al., "Role of Acetohydroxy Acid Isomeroreductase in Biosynthesis of Pantothenic Acid in Salmonella typhimunum," Journal of Bacteriology, Vol. 153(1):259-269 (1983)	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	/Christian Fronda/	Date Considered	05/22/2007

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.